

Claims:

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~~1.~~ (New) A catheter for delivering a stent, comprising:

an outer tube having a proximal end, a distal end and a wall defining a lumen;

a balloon sealingly connected to the outer tube adjacent the distal end, the balloon defining an interior volume and having an exterior surface;

an inner tube disposed within the outer tube and defining a lumen for a guidewire; and

a marker arrangement comprising at least one marker made from a wire of a highly radiopaque and ductile material.

^{2.13}
~~2.~~ (New) The catheter of claim 1, wherein the wire is wrapped around the inner tube to form a coil-like marker tube.

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~~3.~~ (New) The catheter of claim 1, wherein the wire is wrapped in a plurality of at least partially overlapping layers.

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~~4.~~ (New) The catheter of claim 1, wherein the wire is at least partially embedded in the material of the inner tube.

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~~5.~~ (New) The catheter of claim 1, wherein the wire is covered by a thin tube-like cover.

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~~6.~~ (New) The catheter of claim 1, wherein the wire has a circular cross-section.

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7. (New) The catheter of claim 1, wherein the wire has a flat, rectangular cross-section.

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8. (New) The catheter of claim 1, wherein the wire is made out of a material selected from the group of platinum, tantalum, gold and alloys of these materials.

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9. (New) The catheter of claim 1, wherein the marker arrangement is disposed on the inner tube within the balloon.

²¹
10. (New) The catheter of claim 1, wherein the at least one marker is disposed at the catheter tip.